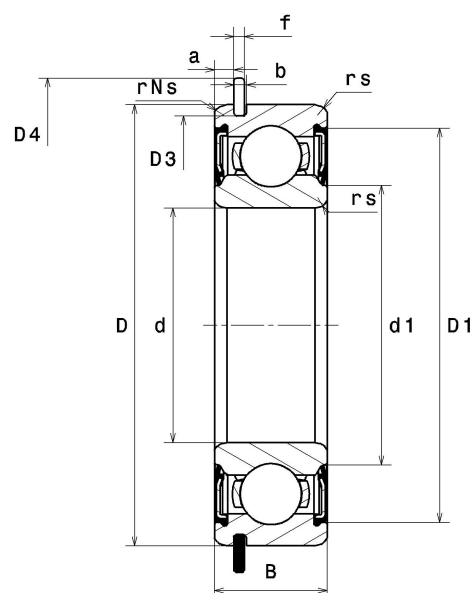


## PDF technical sheet 6305.N.R.EE

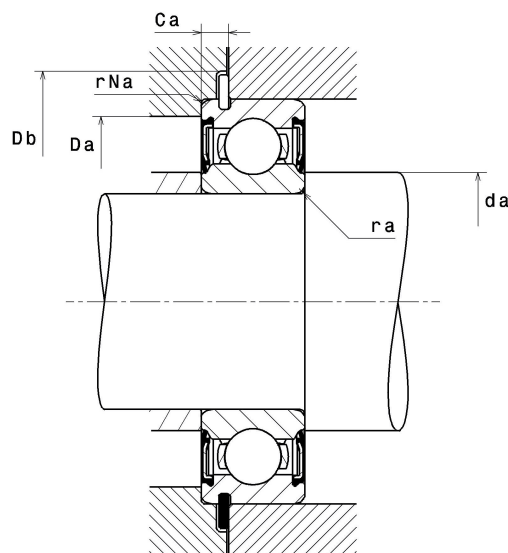


### Single row deep groove ball bearings

| Product definition     |          |
|------------------------|----------|
| d                      | 25 mm    |
| D                      | 62 mm    |
| B                      | 17 mm    |
| d1                     | 33.90 mm |
| D1                     | 52.70 mm |
| a min                  | 3.07 mm  |
| a max                  | 3.28 mm  |
| Ca min                 | 4.67 mm  |
| Ca max                 | 4.98 mm  |
| rs min                 | 1.10 mm  |
| rNs min                | 0.50 mm  |
| D3 max                 | 59.61 mm |
| b min                  | 1.90 mm  |
| b max                  | 2.20 mm  |
| r0 max                 | 0.60 mm  |
| D4 max                 | 67.70 mm |
| f                      | 1.65 mm  |
| Snap ring reference    | R62      |
| Radial clearance class | CN       |
| Mass                   | 0.23 kg  |
| Brand                  | SNR      |



| Product performance                           |              |
|-----------------------------------------------|--------------|
| Dynamic load, C                               | 23.50 kN     |
| Static load, C0                               | 12.10 kN     |
| Fatigue limit load, Cu                        | 0.55 kN      |
| f0                                            | 12.2         |
| Nlim                                          | 8,500 Tr/min |
| Min operating temperature, Tmin               | -20 °C       |
| Max operating temperature, Tmax               | 120 °C       |
| Characteristic cage frequency, FTF            | 0.36 Hz      |
| Characteristic rolling element frequency, BSF | 3.38 Hz      |
| Characteristic outer ring frequency, BPF0     | 2.54 Hz      |
| Characteristic inner ring frequency, BPF1     | 4.46 Hz      |



#### Abutment dimensions

|         |          |
|---------|----------|
| da min  | 31.50 mm |
| da max  | 33.90 mm |
| Da max  | 55.50 mm |
| ra max  | 1 mm     |
| rNa max | 0.50 mm  |
| Db min  | 68.50 mm |

349/702/3/en/DGBB.jpg